

Candidate for Chair

Nicole Immorlica
Microsoft Research, Cambridge, MA, USA

BIOGRAPHY

Academic Background:

Ph.D., MIT, 2005, Theoretical Computer Science.

Professional Experience:

Principal Researcher, Microsoft Research, Cambridge, MA, USA, 2012 – Present;
Assistant Professor, Northwestern University, Evanston, IL, USA, 2008 – 2012;
Postdoc, Centrum voor Wiskunde en Informatica, Amsterdam, Netherlands, 2007 – 2008.

Professional Interest:

Market design; Social networks; Mechanism design; Social learning; Fairness.

ACM Activities:

Vice-Chair, ACM SIGACT, 2018 – Present;
Program Co-chair, ACM Conference on Economics and Computation, 2018 – Present;
Committee Chair/Member, ACM SIGecom Dissertation Award Committee, 2014 – 2018;
Associate Editor, ACM Transactions on Economics and Computing (TEAC), 2013 – Present.

Membership and Offices in Related Organizations:

Member, Committee for the Advancement of Theoretical Computer Science, 2016 – Present;
Associate Editor, Operations Research, Revenue Management & Analytics Area, 2018 – Present;
Co-chair, MATCH-UP, 2016 – 2017.

Awards Received:

Harvard Excellence in Teaching Award, 2018;
Sloan Fellowship, 2012;
NSF Career Award, 2010;
Microsoft Faculty Fellowship, 2009.

STATEMENT

The SIGecom community is making fundamental contributions to the social sciences. In the last two decades, the community has transformed applications as diverse as online advertising and spectrum auctions, developed theories ranging from mechanism design to social choice, and studied the empirical analysis of online markets. Our achievements are powered by a rich collection of new techniques, including notions of complexity, approximation, artificial intelligence, and machine learning. I am proud to be a part of this community.

My primary responsibility, as chair of SIGecom, is to enable these contributions. The most important ingredient of our success is our vibrant interdisciplinary community. As chair, I hope to encourage and enrich this interdisciplinarity through greater access to a broad set of journals and jointly-sponsored programs with sister organizations such as related SIGs (including SIGACT, SIGAI, and SIGMETRICS) and external organizations including (AAAI, AEA, INFORMS, NeurIPS) and others. We also owe it to ourselves and the world to advertise our discoveries. As Chair, I will prioritize the development of outreach activities that communicate our results to other sciences, journalists, undergraduates, and K-12 STEM programs.

Candidate for Vice-Chair

Scott Duke Kominers
Harvard Business School, Boston, MA, USA

BIOGRAPHY

Academic Background:

Ph.D., Harvard University, 2011, Business Economics.

Professional Experience:

Associate Professor, Harvard Business School, Boston, MA, USA, 2017 – Present;
Junior Fellow, Harvard Society of Fellows, Cambridge, MA, USA, 2013 – 2017;
Becker Friedman Research Scholar, University of Chicago, IL, USA, 2011 – 2013.

Professional Interest:

Market and Mechanism Design; Matching Theory; Game Theory; Equilibrium Computation;
Welfare Maximization.

ACM Activities:

Workshops Co-Chair, EC, SIGecom, 2018 – Present;
Senior Program Committee Member, EC, SIGecom, 2014 – Present;
Guest Co-Editor, ACM TEAC Special Issue on EC'17, SIGecom, 2017 – Present;
Program Committee Member, EC, SIGecom, 2012 – 2013.

Membership and Offices in Related Organizations:

Co-Chair, MATCH-UP, 2017;
Co-Chair, AMMA, EAI, 2015;
Associate Editor, Management Science, INFORMS, 2018 – Present.

Awards Received:

Webby Award, "Best Use of Machine Learning" Category, 2018;
Star Family Prize for Excellence in Advising, 2016;
3rd Place, RIST "Best PhD Thesis in Computational Game Theory", 2011;
Yahoo! Key Scientific Challenges Program Fellowship, 2010.

STATEMENT

I am deeply honored to be invited to run for Vice-Chair. The SIGecom community has been immensely supportive of me for years; this is an extraordinary opportunity to give back.

As Vice-Chair, I will do everything I can to continue to enable and expand the community's openness and welcoming nature. I hope to scale the mentorship programs SIGecom has

recently developed, and will cultivate participation of scholars from disadvantaged backgrounds and from universities that have not engaged with SIGecom before. And I will be personally accessible – as I already am – to hear feedback and provide advice.

I will work hard to increase our connections with economists, operations researchers, and scholars in other adjoining fields, as I have in my role as EC Workshops Co-Chair.

I would seek to renew cross-field conference collaborations (such as co-location of EC with the NBER Market Design Meeting), and help organize SIGecom session proposals for the American Economic Association and INFORMS annual meetings. More broadly, I would look for new ways to engage with outside audiences to help make them aware of the fantastic work SIGecom is doing, and to help us learn which questions they find most important.

Candidate for Vice-Chair

Ariel Procaccia
Carnegie Mellon University, Pittsburgh, PA, USA

BIOGRAPHY

Academic Background:

Ph.D., Hebrew University of Jerusalem, 2009, Computer Science.

Professional Experience:

Associate Professor, Carnegie Mellon University, Pittsburgh, PA, USA, 2017 – Present;
Assistant Professor, Carnegie Mellon University, Pittsburgh, PA, USA, 2011 – 2017;
Postdoctoral Fellow, Harvard University, Cambridge, MA, USA, 2009 – 2011.

Professional Interest:

Economics and Computation; Artificial Intelligence; Theoretical Computer Science.

Membership and Offices in Related Organizations:

Executive Council Member, AAI, 2018 – Present.

Awards Received:

Guggenheim Fellowship, 2018;
IJCAI Computers and Thought Award, 2015;
Sloan Research Fellowship, 2015;
NSF CAREER Award, 2014.

STATEMENT

Interdisciplinarity is the defining characteristic of SIGecom. I applaud the work the SIG has been doing in terms of engaging researchers in game theory, economics, operations research, and other related disciplines; I would advance this agenda, e.g., by co-locating conferences and launching new workshops.

I propose to augment these efforts by reaching out to a broader spectrum of computer scientists. First, I would redouble the SIG's long-standing efforts to draw in AI researchers, especially considering the rapidly growing intersection between the fields, which includes hot topics like algorithmic fairness and adversarial machine learning. Second, I would facilitate greater collaboration with other fields of CS, including human-computer interaction (through SIGCHI) and its closely related subfields such as computer-supported cooperative work (CSCW).

I am also eager to increase the visibility of economics and computation as a research field. Efforts in this direction would range from ostensibly minor yet influential issues like — dare I say it? — standardizing the name of the field, to public outreach initiatives. An especially important goal is to increase awareness of the field among undergraduate students who are considering graduate studies.

Candidate for Secretary-Treasurer

Hu Fu

University of British Columbia, Vancouver, BC, Canada

BIOGRAPHY

Academic Background:

Ph.D., Cornell University, 2013, Computer Science.

Professional Experience:

Assistant Professor, University of British Columbia, Vancouver, BC, Canada, 2016 – Present;
Postdoctoral Fellow, California Institute of Technology, Pasadena, CA, USA, 2015 – 2016;
Postdoctoral Researcher, Microsoft Research New England, Cambridge, MA, USA, 2013 – 2015.

Professional Interest:

Computation and Economics; Algorithms and Theory of Computing.

ACM Activities:

Editor-in-chief of SIGecom Exchanges, 2016 – Present;
EC workshop co-chair, SIGecom, 2018 – Present.

STATEMENT

I would be thrilled to have the opportunity to serve the SIGecom community in the role of Secretary-Treasurer. The past decade has seen the community thriving and increasingly diversified across the fields, the research frontiers expand into ever broader domains, and its impact reaching ever wider applications and disciplines. I witnessed these while editing the SIGecom Exchanges, and see it as a privilege to work with the chair and other officers to further facilitate these exciting developments. In addition, I look forward to helping our community's influence reach beyond the industrial and academic spheres and promulgate ideas and perspectives to a larger population.

Candidate for Secretary-Treasurer

Katrina Ligett
Hebrew University of Jerusalem, Israel

BIOGRAPHY

Academic Background:

Ph.D., Carnegie Mellon University, 2009, Computer Science.

Professional Experience:

Associate Professor of Computer Science, Hebrew University of Jerusalem, Israel, 2016 – Present;
Senior Lecturer in Computer Science, Hebrew University of Jerusalem, Israel, 2015 – 2016;
Assistant Professor of Computer Science and Economics, Caltech, Pasadena, CA, 2011 – 2017.

Professional Interest:

Game theory; Data privacy; Online learning; Algorithmic fairness.

ACM Activities:

Tutorials Co-Chair, Conference on Economics and Computation (EC), 2017 – 2018.

Membership and Offices in Related Organizations:

Head, Program on Internet & Society, Hebrew University of Jerusalem, 2018 – Present;
Member, Information Science and Technology (ISAT) advisory panel, DARPA, 2014 – 2017.

Awards Received:

Okawa Foundation Research Grant, 2014;
Microsoft Faculty Fellowship, 2013;
NSF CAREER award, 2013;
NSF Mathematical Science Postdoctoral Fellowship, 2010.

STATEMENT

I hope that the leadership positions I've held and the variety of discipline-straddling endeavors I've been involved in would enhance my ability to serve the SIGecom community. For example, I have held a joint computer science-economics faculty position (at Caltech), and am now the head of a new interdisciplinary undergraduate degree program at the Hebrew University (the Internet & Society program) merging technical and social sciences perspectives. I have organized cross-disciplinary workshops where I was proud to see meaningful connections drawn across boundaries, and I am currently a co-organizer of a Simons Institute semester on data privacy that incorporates perspectives from law, statistics, philosophy, and economics. I would be glad to have the opportunity to help support and foster the inclusiveness, productivity, and impact of our community.